Contents of Soil & Tillage Research, Volume 26

VOL. 26 NO. 1	FEBRUARY 1993
Paratill effects on loosening of a Torrertic Paleustoll	
P.W. Unger (Bushland, TX, USA)	1
Pedological features as indicators of the tillage effectiveness in Vertisols	
K. Oleschko, J.D. Etchevers B. and L. Osorio J. (Montecillo, Mexico	
Determination of total root surface area in soil core samples by image ar	
E.G. Kokko, K.M. Volkmar, B.E. Gowen and T. Entz (Lethbridge, A Tillage effects on corn emergence rates	lta., Canada) 33
H.N. Hayhoe, L.M. Dwyer, D. Balchin and J.L.B. Culley (Ottawa, O	nt., Canada) 45
Mechanical properties of a grey clay used for rice production in Australia	a
B.G. Blunden, J.M. Kirby (Canberra, A.C.T., Australia), E. Humph	reys and
W.A. Muirhead (Griffith, N.S.W., Australia)	55
Effect of soil compaction on leaf, stem and fibrous root growth of cassav	a (Manihot
esculenta, Crantz)	
H.O. Maduakor (Owerri, IMO State, Nigeria)	69
The effect of C 360 tractor traffic over the soil in the third year of alfalfa Martin) cultivation	(Medicago varia
J. Hodara and A. Słowińska-Jurkiewicz (Lublin, Poland)	79
Short Communication	
Nutrient availability and maize yield under reduced tillage practices S.O. Ojeniyi (Akure, Nigeria)	89
Book Reviews	
Erosion, transport and deposition processes	
Soil management	
Announcement from Publisher	97
VOL. 26 NO. 2	APRIL 1993
Reflectance of light from the soil surface in relation to tillage practices, of growth of corn	
Y. Chen and E. McKyes (Ste Anne de Bellevue, Que., Canada)	
Effect of cultivation and raindrop impact on the surface hydraulic propounder wheat	erties of an Alfisol
N.M. Somaratne (Parramatta, N.S.W., Australia) and K.R.J. Smett	em
(Townsville, Qld., Australia)	11:
Impact of tillage and residue management on dryland spring wheat deve	
H. Kabakci, P.M. Chevalier and R.I. Papendick (Pullman, WA, USA	A) 12°
Structural changes in a silt loam under long-term conventional or minin	num tillage
B. Hermawan and K.C. Cameron (Canterbury, New Zealand)	
Soil properties and crop yield among four tillage systems in a wheat-pea	
II Pikul Ir (Sidney MT USA) R F Ramig and D F Wilkins (F	

Effect of compaction on the growth of pigeonpea on clay soils. III. Effect of soil type and water regime on plant response	
J.A. Kirkegaard, H.B. So and R.J. Troedson (St. Lucia, Qld, Australia)	163
VOL. 26 NO. 3 JULY 1	
VOL. 26 NO. 3	993
A soil and agroclimatic model for estimating machinery work-days: the basic model and climatic sensitivity	
M.D.A. Rounsevell and R.J.A. Jones (Silsoe, UK) Long-term effects of conventional and no-tillage on selected soil properties and crop yields in Canterbury, New Zealand	179
G.S. Francis and T.L. Knight (Canterbury, New Zealand)	193
Cohron sheargraph data: interpretation using critical state soil mechanics J.M. Kirby (Canberra, A.C.T., Australia) and P.D. Ayers (Fort Collins, CO, USA) Tillage and crop rotation interactions on humic substances of a Typic Haplorthox from	211
southern Brazil	
P.L.O. De A. Machado and M.H. Gerzabek (Seibersdorf, Austria)	227
ISTRO-INFO	
W.A. Dick (Wooster, OH, USA) and C. van Ouwerkerk (Haren, Netherlands) — Editors	237
Reading table	. 271
Erratum	. 273
Announcement from the Publisher	. 275
VOL. 26 NO. 4 AUGUST 1	993
Tillage effects on near-surface soil hydraulic properties	
J.G. Benjamin (Ames, IA, USA)	. 277
Changes in soil physical properties with depth in a conventionally tilled soil after no-tillage E.G. Gregorich, W.D. Reynolds, J.L.B. Culley, M.A. McGovern (Ottawa, Ont., Canada)	200
and W.E. Curnoe (Kemptville, Ont., Canada)	. 289
M.T. Morgan, R.G. Holmes and R.K. Wood (Columbus, OH, USA)	. 301
Effects of conventional and deep tillage on mustard for efficient water and nitrogen use in coarse textured soils	
V.K. Arora, P.R. Gajri and M.R. Chaudhary (Ludhiana, India)	. 327
I.M. Young, A.G. Bengough, C.J. Mackenzie (Dundee, UK) and J.W. Dickson (Penicuik, UK)	341
Book Review	
Production and emission of methane	. 361
Announcement from the Publisher	

